Special Issue

Applications of Chromatography in Pharmaceutical Analysis and Forensic Toxicology

Message from the Guest Editors

This Special Issue aims to provide an overview of articles relating to the isolation, identification, quantitation, and interpretation of pharmaceutical or potentially toxic substances and their biotransformation products in specimens of multiple origins through the applications of chromatography techniques. The methods should be applicable to the following fields: pharmaceutical, therapeutic drug monitoring, drug metabolism and pharmacokinetics, drugs-of-abuse testing, clinical and forensic toxicology. This Special Issue focuses on different procedures, e.g., method development and validation, compounds separation, physicochemical properties and quality attributes. Original Articles, Case Reports, Technical Notes, Reviews or Letters to the Editor covering a wide range of chromatographic procedures are welcome. Topics include, but are not limited to, applications in the following areas:

- Forensic toxicology;
- Pharmaceutical analysis;
- Drug discovery;
- New psychoactive drugs;
- Optimization of the chromatographic conditions.

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Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).